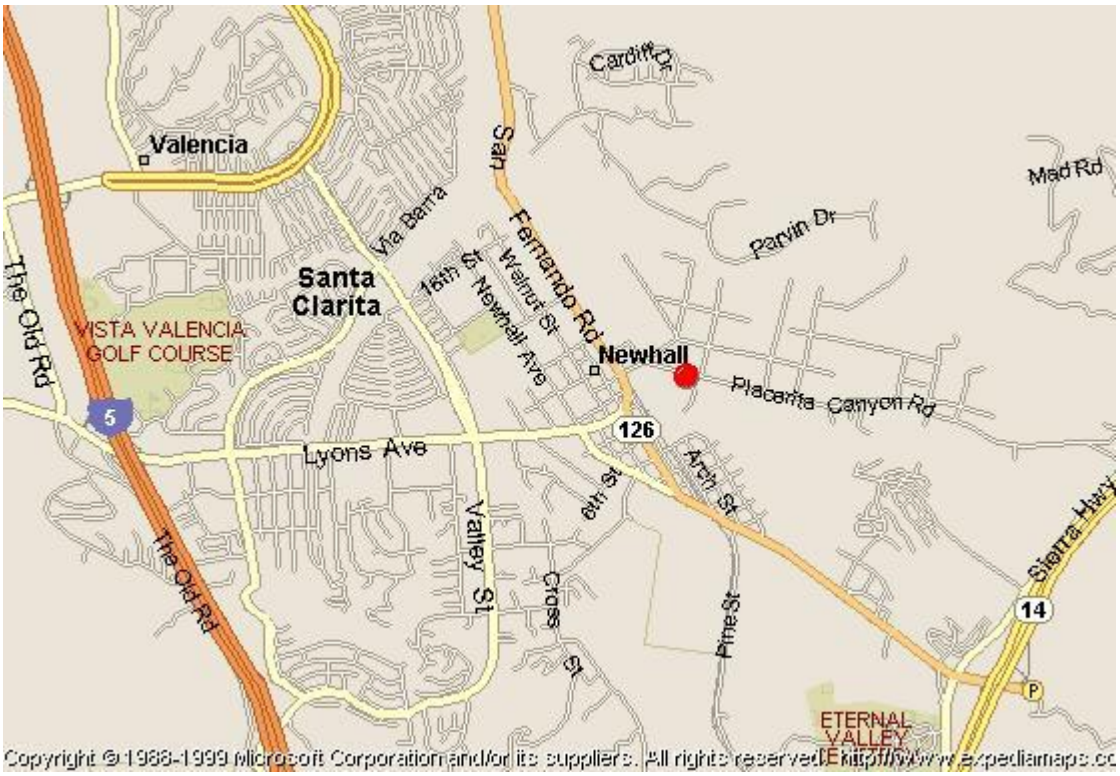
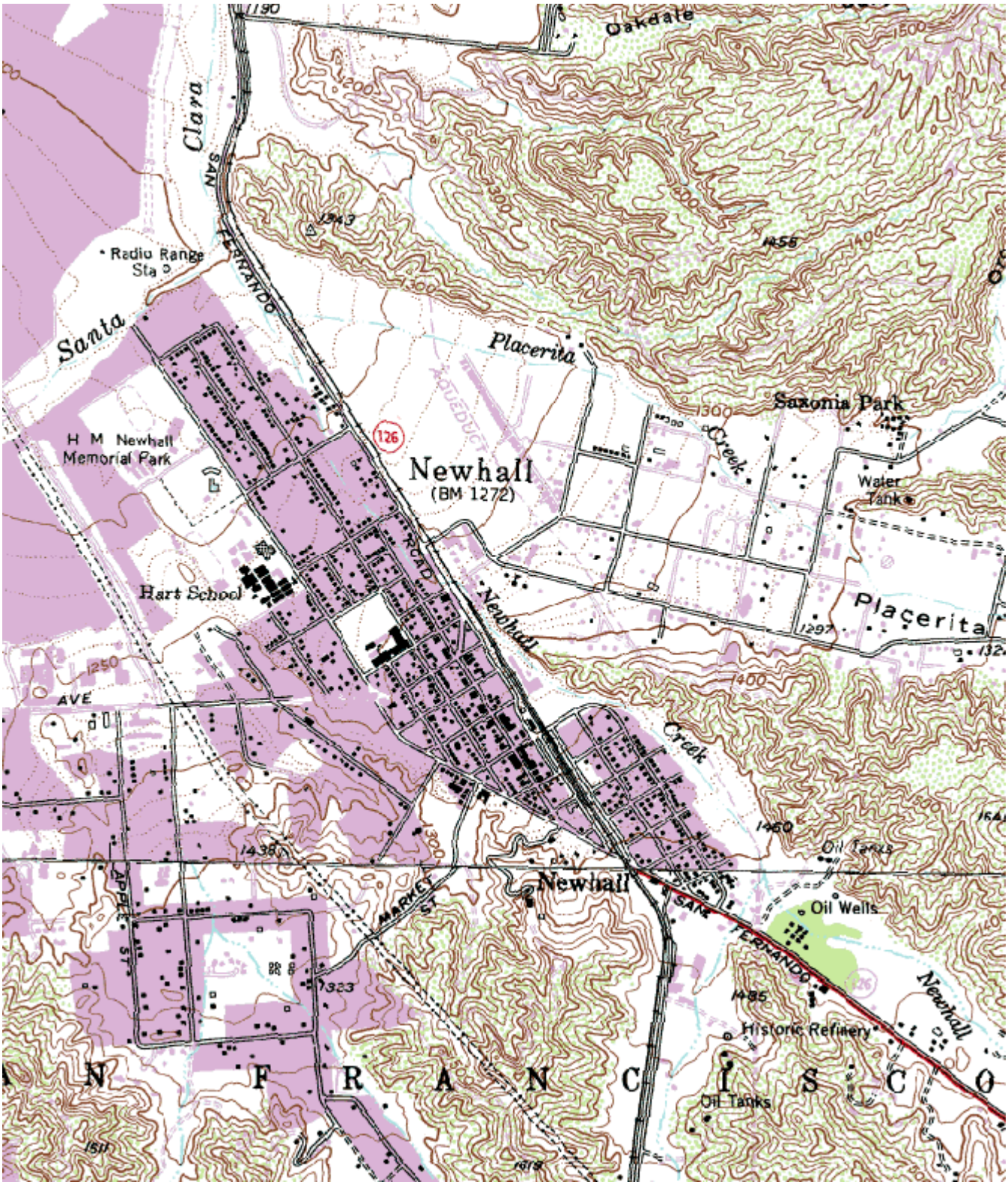
Quality Assurance
Site Survey Report for Santa Clarita-Placerita

Last updated May, 2017



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060376012	70090	05/2001	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
22224 Placerita Canyon Rd Santa Clarita, CA 91321	Los Angeles	South Coast	34° 23' 0"N	118° 31' 42"W	386


Oakdale
Santa Clara
SAN FERNANDO
Radio Range Sta
Placerita
Saxonia Park
H M Newhall Memorial Park
126
Newhall
(BM 1272)
Water Tank
Hart School
ROAD
Newhall
Placerita
AVE
Creek
Oil Tanks
Newhall
MARKET ST
SAN FERNANDO
Oil Wells
Historic Refinery
Oil Tanks
SAN FRANCISCO

Detailed Site Information

Local site name	Santa Clarita-Placerita
AQS ID	060376012
GPS coordinates (decimal degrees)	Latitude: 34° 23’ 0” Longitude: 118° 31’ 42”
Street Address	22224 Placerita Canyon, Santa Clarita, CA 91321
County	Los Angeles
Distance to roadways (meters)	91
Traffic count (AADT, year)	5,000 / 2012
Groundcover (e.g. asphalt, dirt, sand)	Asphalt
Representative statistical area name (i.e. MSA, CBSA, other)	31080-Los Angeles, Long Beach, Anaheim MSA

Pollutant, POC	Carbon Monoxide, 1	Nitrogen Dioxide, 1	Ozone, 1	PM10, 1
Primary / QA Collocated / Other	N/A	N/A	N/A	Primary
Parameter code	42101	42602	44201	See Table 26
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS
Network affiliation	N/A	PAMS	PAMS	N/A
Site type(s)	Population Exposure	Population Exposure	Highest Concentration	Population Exposure
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Instrument manufacturer and model	Horiba APMA 360	Teledyne 200E	Teledyne 400E	GMW 1200 SSI
Method code	106	099	087	063, 102
FRM/FEM/ARM/ other	FRM	FRM	FEM	FRM
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab (i.e.weigh lab, toxics lab, other)	N/A	N/A	N/A	SCAQMD
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Urban	Neighborhood
Monitoring start date (MM/DD/YYYY)	05/2001	05/2001	05/2001	05/2001
Current sampling frequency (e.g.1:3, continuous)	1:1	1:1	1:1	1:6
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	N/A	1:6
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.4	4.4	4.4	2.4
Distance from supporting structure (meters)	1.8	1.8	1.8	1.4
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A

Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Distance from trees (meters)	30	30	30	30
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees)	360°	360°	360°	360°
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A
Residence time for reactive gases (seconds)	6.0	7.2	6.5	N/A
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A
Frequency of one-point QC check for gaseous instruments	Nightly	Nightly	Nightly	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	10/11/2016	10/11/2016	10/11/2016	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	05/10/2016, 11/05/2016

Pollutant, POC	24 Hour Carbonyls, 2	24 Hour VOCs, 2	3 Hour VOCs, 1	Continuous PM2.5, 3
Primary / QA Collocated / Other	N/A	N/A	N/A	Other
Parameter code	See Table 26	See Table 26	See Table 26	88502
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS

Site type(s)	Highest Concentration	Highest Concentration	Highest Concentration	Population Exposure
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation	PAMS	PAMS	PAMS	N/A
Instrument manufacturer and model	ATEC 8000	RM Env. 910A	RM Env. 910A	Met One BAM 1020
Method code	See Table 26	See Table 26	See Table 26	731
FRM/FEM/ARM/ other	Other	Other	Other	Non-FEM
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab (i.e.weigh lab, toxics lab, other)	SCAQMD	SCAQMD	SCAQMD	N/A
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Spatial scale (e.g. micro, neighborhood)	Urban	Urban	Urban	Neighborhood
Monitoring start date (MM/DD/YYYY)	05/2001	05/2001	05/2001	10/23/2008
Current sampling frequency (e.g.1:3, continuous)	1:6 / 1:3	1:6 / 1:3	1:6 / 1:3	1:1
Calculated sampling frequency (e.g. 1:3/1:1)	No CFR mandated sampling schedule.	No CFR mandated sampling schedule.	No CFR mandated sampling schedule.	N/A
Sampling season (MM/DD-MM/DD)	07/01-09/30	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.4	4.4	4.4	5.4
Distance from supporting structure (meters)	1.8	1.8	1.8	1.8
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Distance from trees (meters)	16	16	16	16
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	N/A	N/A	N/A	N/A
Unrestricted airflow (degrees)	360°	360°	360°	360°
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Stainless	Stainless	Stainless	Stainless
Residence time for reactive gases (seconds)	5.0	5.0	5.0	N/A

Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Monthly
Frequency of one-point QC check for gaseous instruments	Semi Annually	Semi Annually	Semi Annually	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	06/21/2016, 12/14/2016

Santa Clarita-Placerita
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

Santa Clarita-Placerita
Site Photos (Cont.)

Looking at the probe from the North.

Looking at the probe from the East.

Looking at the probe from the South.

Looking at the probe from the West.